

George Washington  
L. N. E. of P. 1897-8

C  
GR93Z  
1877/78

SIXTH

ANNUAL CIRCULAR

— OF THE —

National College of Pharmacy,

(Colonization Building.)

CITY OF WASHINGTON,

THE LIBRARY  
OF THE  
UNIVERSITY OF ILLINOIS

— AND —

Prospectus of the Course of Instruction.

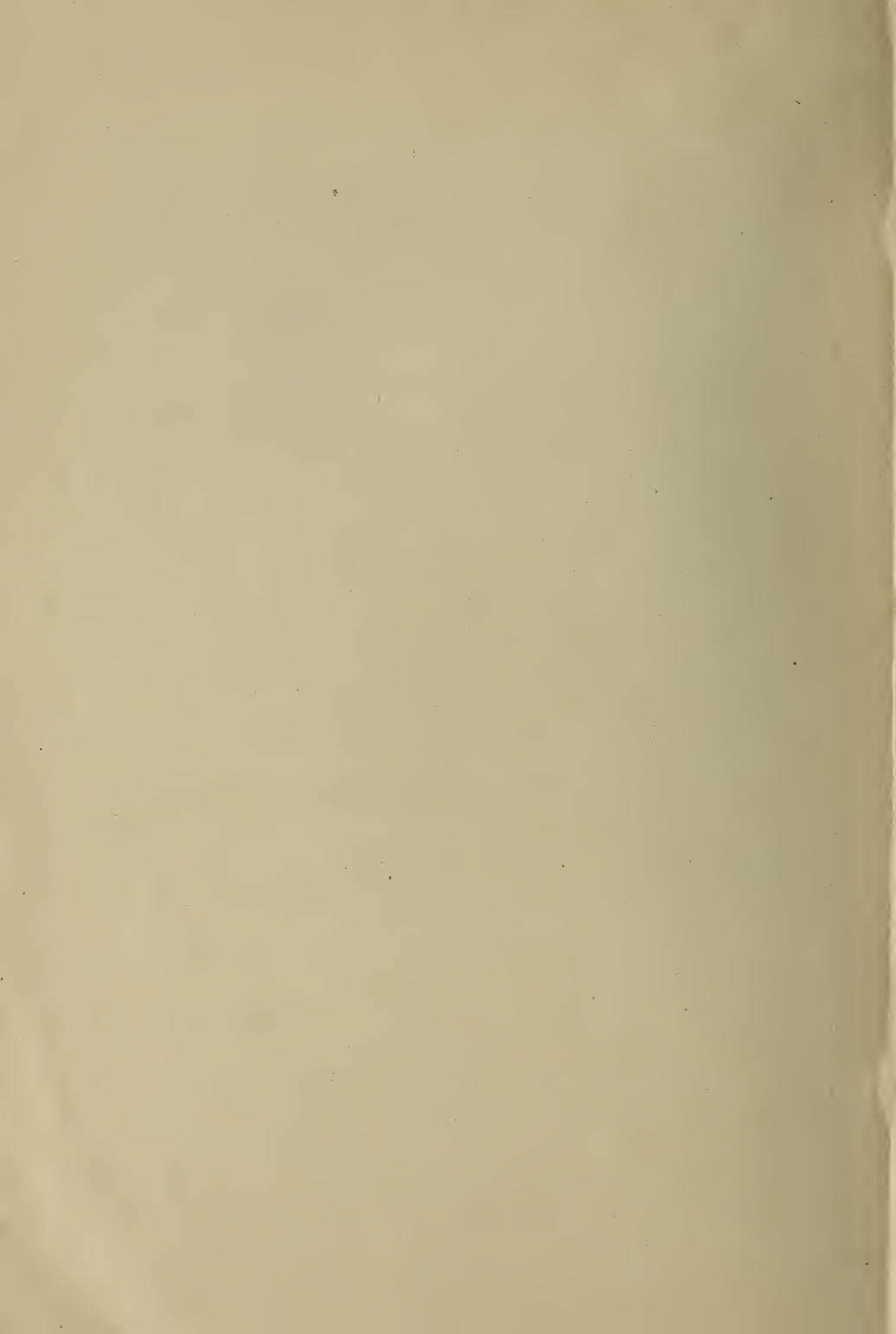
SIXTH SESSION, OCTOBER, 1877, TO MARCH, 1878.

UNIVERSITY OF ILLINOIS

JUN 16 1917

Administrative Library  
WASHINGTON, D. C.:

THOMAS MCGILL & CO., PRINTERS, 1107 E STREET N. W.  
1877.



SIXTH  
ANNUAL CIRCULAR

— OF THE —

National College of Pharmacy,

(COLONIZATION BUILDING,)

CITY OF WASHINGTON,

— AND —

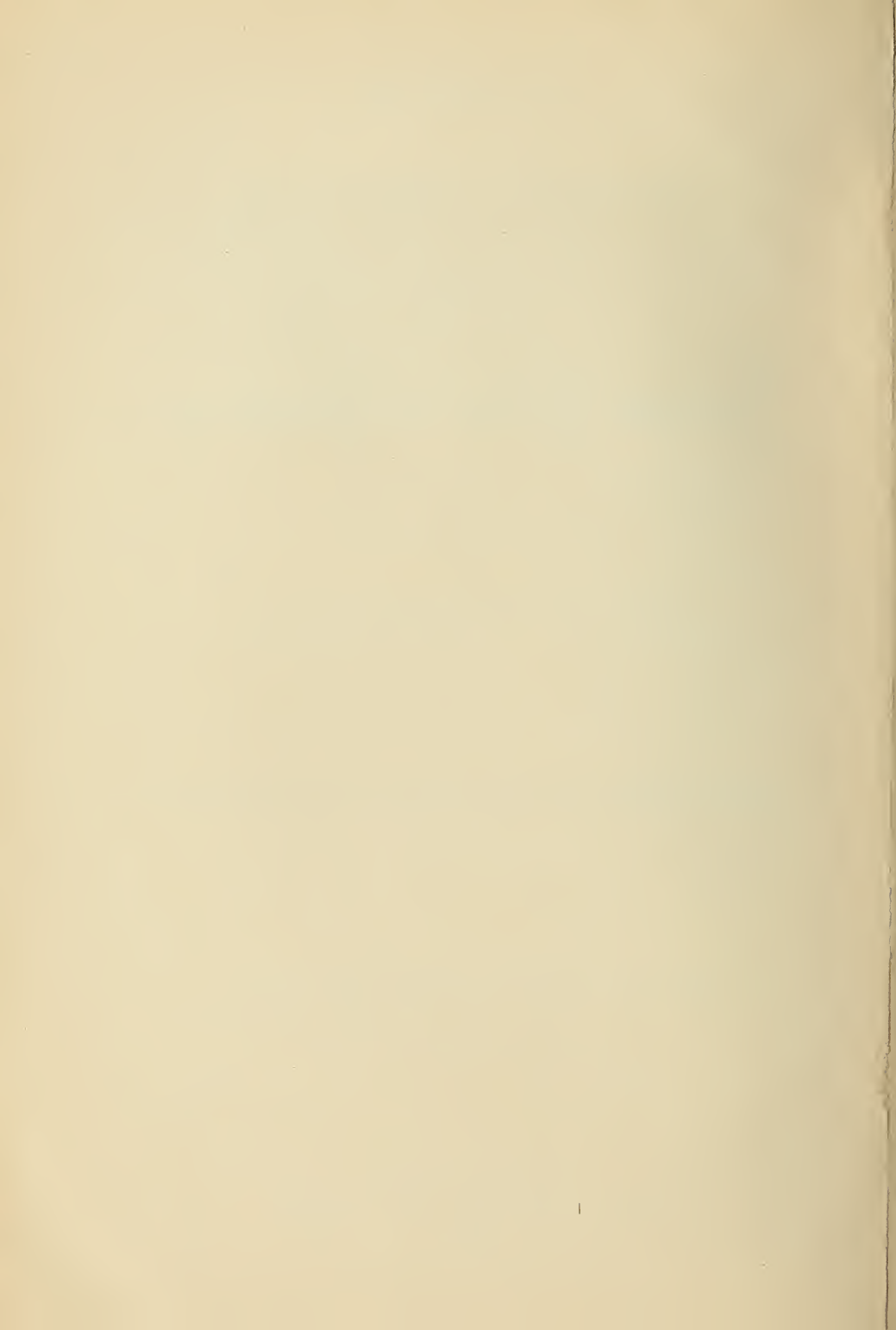
*PROSPECTUS OF THE COURSE OF INSTRUCTION.*

---

*Sixth Session, October, 1877, to March, 1878.*

---

WASHINGTON CITY :  
THOMAS M'GILL & CO., PRINTERS AND STEREOTYPERS.  
1877.



*OFFICERS AND FACULTY*

OF THE

National College of Pharmacy.

---

SESSION OF 1877-'78.

---

*PRESIDENT,*

JOHN A. MILBURN.

*First Vice President.*

J. D. O'DONNELL.

*Second Vice President.*

G. G. C. SIMMS.

*Secretary.*

JOHN C. FILL.

*Treasurer.*

W. G. DUCKETT.

*Curator and Librarian.*

H. E. KALUSSOWSKI.

*Trustees.*

ROBERT B. FERGUSON,	W. S. THOMPSON,	J. D. O'DONNELL,
CHARLES BECKER,	H. E. KALUSSOWSKI,	J. W. DREW,
W. F. SCALA,	J. A. MILBURN,	G. G. C. SIMMS,
J. C. FILL,	C. F. MOORE,	W. G. DUCKETT.

## STANDING COMMITTEES.

---

### *Finance.*

W. S. THOMPSON, JOHN R. MAJOR, W. F. SCALA.

---

### *Business.*

H. E. KALUSSOWSKI, W. G. DUCKETT, JOHN H. DREW.

---

### *Progress of Pharmacy.*

CHARLES BECKER, G. G. C. SIMMS, C. F. MOORE.

---

### *Weights and Measures.*

G. G. C. SIMMS, C. BECKER, J. D. O'DONNELL.

---

### *U. S. Pharmacopœia.*

W. S. THOMPSON, OSCAR OLDBERG, A. M. READ.

---

### *Pharmaceutical Education.*

J. D. O'DONNELL, W. S. THOMPSON, W. G. DUCKETT,  
R. B. FERGUSON, H. E. KALUSSOWSKI.

---

### *Pharmaceutical Legislation.*

W. F. SCALA, C. BECKER, A. M. READ,  
J. W. DREW, R. B. FERGUSON.

---

### *Non-Official Formula.*

R. B. FERGUSON, W. S. THOMPSON, J. D. O'DONNELL,  
W. G. DUCKETT, C. F. MOORE.

---

### *Faculty.*

EDWARD T. FRISTOE, A. M., LL. D., PHAR. D.,  
Professor of General and Analytical Chemistry.

OSCAR OLDBERG, PHAR. D.,  
Professor of Materia Medica and Botany.

A. M. READ, PHAR. D.,  
Professor of Pharmacy and Toxicology.

# ANNOUNCEMENT.

---

THE SIXTH ANNUAL SESSION of the National College of Pharmacy, Washington, District of Columbia, will commence at 7 o'clock p. m. on Monday, October 1, 1877, at the Lecture Rooms in the Colonization Building, corner of Pennsylvania Avenue and Four-and-a-half street. Lectures will be delivered on Monday and Thursday evenings, from 7 to 10 o'clock p. m., throughout the Session, which will close March 1, 1878. The College possesses an extensive cabinet of choice specimens of *materia medica and botany, chemical and pharmaceutical products*, and a valuable collection of *chemical and pharmaceutical apparatus* to be used in illustrating the Lectures.

It will readily be seen that this College offers superior inducements to the students of Pharmacy.

## *The Course of Instruction*

will embrace Chemistry and Toxicology, Volumetric Analysis, Materia Medica and Botany, and the Theory and Practice of Pharmacy, and will be thorough and comprehensive.

These subjects will be taught both theoretically and practically, by means of Lectures and Recitations, fully illustrated by experiments, specimens, models, diagrams, &c., for which the College has provided ample facility. Students will have free access to the Library and Museum.

---

## MATERIA MEDICA.

PROF. OSCAR OLDBERG.

1. As an introductory to this Course, a few lectures on Structural, Physiological, and Systematic Botany will be given.

2. Preliminary lectures on the proximate principles and

other substances of pharmaceutical importance occurring in plants and drugs.

3. The time and mode of collecting and the manner of preserving drugs generally.

4. Vegetable pharmacognosy.

5. Animal drugs will next be considered.

In the study of drugs, due consideration and attention will be given to their names and synonyms, whether obtained from plant or animal, parts used, natural, botanical, or zoological order, habitat, collection, preparation and preservation, commercial history and statistics, physical properties of good and bad drugs, characteristics by which the genuine article may be identified, resemblance to other drugs and substances, adulterations, other impurities, tests for purity, substitutes, intentional or accidental, non-official varieties of the drug, chemical composition, proximate principles, active principles, objectionable or inert contaminations, incompatibility, menstrua, uses, preparations, therapeutics, and doses.

All the drugs treated of will be exhibited, and, if possible, several grades of them, accompanied by specimens of the active or proximate principles isolated.

Plates and diagrams will be largely used for illustration, and tests will be applied to the specimens before the class.

Recitations will also form an important part of the Course.

Arrangements will be made for Botanical Excursions in April, under the direction of an experienced botanist. Attendance on this Course is optional, but it is hoped the students will avail themselves of the facilities thus afforded to become practically acquainted with our domestic flora.

---

## CHEMISTRY AND TOXICOLOGY.

PROF. EDWARD T. FRISTOE.

The instruction in this department includes—

1. A brief discussion of the various branches of Physics,



as Pneumatics, Heat, Light, Electricity, &c., as far as they relate to the science of Chemistry.

2. The principles of Chemical Philosophy and Chemical Notation, the laws of Chemical Combination, and those of Chemical Affinity (chemism) in general will be presented in accordance with the recent improvements in the science.

3. The elementary bodies, both non-metallic and metallic, will be classified, and the best methods of preparing the various inorganic bodies, their properties and reactions, and the means of detecting their presence, will be discussed.

4. The so-called "organic bodies" will be classified and considered, so far as time will permit, especially those with which the Pharmacist most frequently comes in contact, such as organic acids and their salts, alkaloids, &c., &c.

5. Poisons, with tests for their detection, and their most appropriate antidotes.

Throughout the entire Course the applications of Chemistry to Pharmacy and Medicine will be brought before the students, and the principles of the science abundantly illustrated by experiments.

The principles of Analytical Chemistry will be explained and illustrated in the class-room, and advanced students will have an opportunity of taking practical lessons in the Laboratory twice a week.

---

## PHARMACY.

PROF. A. M. READ.

The Lectures in this Department will embrace the thorough consideration of weights and measures, specific gravity, general mechanical and pharmaceutical processes and manipulations, the pharmacy and chemistry of the official processes of the United States Pharmacopœia, and the application of the tests of purity prescribed for pharmacopœial preparations;

extemporaneous pharmacy, incompatibles, &c. Pharmaceutical preparations will receive proper attention, according to their importance, whether official or not.

Attention will be called to the best manner of conducting successfully the various operations of the Laboratory and Dispensing Department, and how dangerous errors and defects may be avoided.

The lectures throughout the Course will be amply illustrated.

Professor Read will also teach Volumetric Analysis, now deemed an essential part of modern practical pharmaceutical education.

### *Text-Books and Works of Reference.*

MATERIA MEDICA: *Royle's Materia Medica.* By Harley.

*Gray's Text-books on Botany.*

*Pharmacographia.* By Flückiger & Haubury.

CHEMISTRY: *Attfield's Chemistry, Fowne's, Barker's, Bloxam's,*  
or *Miller's Chemistry.*

PHARMACY: *Parrish's Pharmacy.*

*The Pharmacopœia of the United States.* Fifth revision.

*The United States Dispensatory.* By Wood & Bache.

*Sutton's Volumetric Analysis.*

#### THE DEGREE OF DOCTOR OF PHARMACY

will be conferred upon candidates who shall possess the following

### *Qualifications for Graduation.*

All students, *to be entitled to the degree of this College,* must have arrived at the age of twenty-one years; have attended TWO FULL COURSES of lectures, *the last of which at least* must have been in this College; have had at least FOUR YEARS' PRACTICAL EXPERIENCE with some reputable pharmacist or pharmacists; have presented to the Examining Board an *original and acceptable thesis,* in their own hand-writing, upon some subject pertaining to Pharmacy; have been recommended in writing, after a *thorough examination* in all the branches taught

and in their application in practice, by the Board of Examiners and the Professors jointly, and have paid all dues to the Treasurer.

### *Certificates.*

A Certificate of Qualification, when desired, will be given to students who have attended one course of lectures and passed a satisfactory examination in the elementary branches. This certificate will enable the holder to obtain, with greater facility, a situation in some first-class store where such theoretical knowledge may be considered desirable.

### *Fees:*

Matriculation, (paid only once,) - - - -	\$5 00
Lecture tickets, for full course, - - - -	25 00
Single ticket, for either branch - - - -	10 00
Certificate of Qualification - - - - -	5 00
Spring course in Botany - - - - -	5 00
Diploma - - - - -	15 00

Parties outside the city who desire to attend lectures in this College will be provided, as far as possible, with situations. Such applications, stating whether or not the applicant has had any experience in the drug business, should be addressed to JOHN W. DREW, corner Pennsylvania avenue and Ninth street N. W., Washington, D. C.

For further information, apply to J. C. FILL, Secretary, or to any member of the Faculty.

## STUDENTS, 1876-77.

---

C. M. BALL,	T. A. T. JUDD,
S. W. BOWER,	A. W. MILLER.
THOMAS M. COOMBS,	T. G. DEMOLL,
OSCAR H. COUMBE,	THOMAS MCGORK,
T. E. CHIDESTER,	GEORGE PRUTEE.
F. M. CRESWELL,	J. B. ROBERTSON,
E. R. DOUGLAS,	J. J. STAFFORD,
C. G. DULIN,	O. SMITH,
F. FICKLING,	H. STANDIFORD,
E. GLADMON,	P. WOOD,
J. W. DUNN.	

---

## ALUMNI—1873.

---

C. R. DUFOUR, D. C.	A. M. READ, Mich.
*WM. B. HEISKILL, Penna.	

1874.

T. P. COLE, D. C.	*F. S. GAITHER, D. C.
*CHARLES LEROY SAYRE, N. Y.	

1875.

A. S. TABER, N. Y.	H. KALUSSOWSKI, D. C.
E. M. TABER, N. Y.	W. F. SCALA, D. C.

1876.

HENRY ADAMS, Mass.	SNIDER NOELL, Md.
D. F. OWENS, Md.	FRANK PITZER, Va.

1877.

T. E. CHIDESTER, Ohio.	T. M. COOMBS, D. C.
T. G. DEMOLL, D. C.	C. G. DULIN, D. C.
JOHN J. STAFFORD, Md.	

---

\*Deceased.

SHARP & DOHME,

MANUFACTURING

Chemists  Pharmacists,

*S. W. COR. PRATT AND HOWARD STS..*

BALTIMORE, MD.

---

MANUFACTURERS OF ALL THE OFFICIAL AND OTHER

Standard Medicinal, Fluid, and Solid Extracts,

PURE CHEMICALS,

—AND OTHER—

***PHARMACEUTICAL PREPARATIONS,***

—INCLUDING—

ELIXIRS, SYRUPS,


SACCHARATED PEPSIN,

OLEATE MERCURY,

AROMATIC COD-LIVER OIL,

WITH HYPOPHOSPHITES, Etc.

---

 Catalogues and Price-Currents of all our Preparations, mailed on application.

**L. MARTIN,**

WHOLESALE AND RETAIL DEALER IN

**PAINTS, OILS, GLASS,**

**ALCOHOL, TURPENTINE, ETC.,**

***No. 609 C STREET, NORTHWEST,***

**WASHINGTON, D. C.**

---

---

*COMPOUND GLYCERITE*

— OF —

**Carbolic Acid and Camphor.**

---

Composed of **CARBOLIC ACID,**

**CAMPHOR, BORAX, SULPHATE of SODA,**

**And BOWERS' GLYCERINE.**

---

**PREPARED BY**

**R. B. FERGUSON,**

*Pharmacist,*

S. W. corner Second Street and Penn. Avenue, Capitol Hill, Washington, D. C.

**LEBAIGUE'S**  
**DIALYSED IRON,**  
— OR —  
**PURE PEROXIDE OF IRON,**

IN SOLUTION, WITHOUT THE AID OF ACIDS OR OTHER SOLVENTS.

It is nearly tasteless, does not blacken the teeth, is very readily absorbed, will not constipate, nor cause any disturbance of the digestive apparatus, and is tolerated by persons who could not support any other preparation of iron. It is offered in the form of a **solution**, which is generally preferred; or of an **elixir**, when a slight stimulant is desired.

Ask, always, for **Lebaigue's Dialysed Iron**. Beware of Imitations.

**BAUDAULT'S PEPSINE,**

— AND —

*Wine, Elixir, Syrup, Pills, and Lozenges of Pepsine.*

Since the introduction of Pepsine by Boudault, in 1854, **Boudault's Pepsine** has been and is still considered the most reliable, as is attested by the awards it has received at the Exhibitions of 1867, 1868, 1872, 1873, and in 1876 at the Centennial Exposition at Philadelphia. Careful tests will enable any one to satisfy himself that *Boudault's Pepsine* has a digestive power at least double that of the best Pepsines in the market, and that it is really the cheapest.

It is sold in 1 oz., 8 oz., and 16 oz. bottles. Beware of so-called French Pepsines, bearing fictitious names. Ask for and take only **Boudault's**.

**E. FOUGERA & CO.'S**  
**MEDICATED GLOBULES.**

The form of Globules is by far the most convenient as well as the most elegant form for administering liquid preparations or powders of unpleasant taste or odor. The following varieties are now offered:

- Globules of Ether; Chloroform; Oil of Turpentine; Apiol;
- Phosphorated Oil, containing 1-60th grain of Phosphorus;
- Phosphorated Oil, containing 1-30th grain of Phosphorus;
- Tar; Venice Turpentine; Copaiba; Copaiba and Tar;
- Oleo-Resin of Cubebs; Balsam of Peru;
- Oil of Eucalyptus; Cod Liver Oil; Rhubarb;
- Bi-carb of Soda; Sulph. Quinia, &c.

**E. FOUGERA & CO.,**  
**30 North William Street, New York.**

*W. G. DUCKETT,*

Corner Penna. Avenue and Twenty-second street, N. W., Washington, D. C.

— MANUFACTURER OF —

**Pure Fruit Juices,**

FOR

**SODA WATER,**

*ICE CREAM AND WATER ICE.*

AGENT FOR

**GROSVENOR'S**

*Lung Protectors, Porous, Belladonna, and Other Plasters.*

**CARL MUELLER & SON,**

**MANUFACTURING**

**CONFECTIONERS**

AND WHOLESALE DEALERS IN

**ENGLISH PEPPERMINT LOZENGES, ROLL LOZENGES,**

**COUGH LOZENGES, LICORICE GUM DROPS,**

**CHOCOLATE CREAM DROPS,**

**ENGLISH COLTSFOOT-ROCK, ROCK CANDY,**

**MARSHMELLOW DROPS,**

**GUM DROPS, all Styles and Kinds,**

**LICORICE Sticks, Large and Small, LICORICE ROOT,**

**HOARHOUND CANDY, &c., &c.**

*Cough Candy made to Order at short Notice.*

Goods delivered to all parts of the City, or carefully packed and shipped  
to any part of the country.

STORE and FACTORY **314** Penn. Ave., South Side, Near Third Street N. W.

**WASHINGTON, D. C.**



# LUNDBORG'S PERFUMERY.

---

FOR SALE BY THE

PRINCIPAL JOBBING DRUGGISTS THROUGHOUT THE COUNTRY.

---

## EMINENT TESTIMONIALS:

Messrs. Kuhlman, fils., and de Wilde, the celebrated Chemists from France and Belgium, representatives of their respective Governments to the Centennial Exhibition, expressed themselves in the following terms:

"We were especially interested in studying the manufacture of Perfumery in this country. Nothing is more dangerous, after the adulteration of food, than the use of perfumery, the preparation of which is deleterious. Our examination of the American section has, we regret to say, shown us few specimens which we could recommend. It therefore becomes the more necessary that we should mention those products, the analytical examination of which was perfectly satisfactory to us. We speak of the perfumes prepared by the LUNDBORG PROCESS, and manufactured by the house of YOUNG, LADD & COFFIN, of New York. Without stopping to give too long a description, we will confine ourselves to mentioning their CALIFORNIA WATER, for the Toilet and Bath, (a preparation which is perfectly healthful,) and more especially their Extracts for the Handkerchief, the distillation of which, being admirably combined, produces perfumes of great sweetness and delicacy and with a special property of their own, by which these extracts can, unquestionably, enter into competition with those of the best known French and English makers."

**YOUNG, LADD & COFFIN,**

*Proprietors and Manufacturers,*

**NEW YORK.**

---

**J. P. MILBURN & CO.,**

**Druggists and Dispensing Pharmacists,**

**No. 1429 PENNSYLVANIA AVENUE,**

**WASHINGTON, D. C.,**

DEALERS IN RELIABLE

**Drugs, Chemicals, & Standard Medicinal Preparations,**

Manufactured by us or obtained from the best sources.

---

ALL THE LEADING NATURAL MINERAL SPRING WATERS IN STOCK.

---

A full line of Mineral Waters, made from correct and approved formulas, sold on draught, at the temperature of the Spring.

WILLIAM B. ENTWISLE,

1201 Pennsylvania Avenue N. W.,

DEALER IN

Pure Drugs, Medicines, Chemicals,

FINE SOAPS, BRUSHES, PERFUMERY,

PATENT MEDICINES, etc.

---

Physicians' Prescriptions carefully compounded at all hours, day or night.

---

---

***STOTT & CROMWELL,***

480 Pennsylvania Avenue, Washington, D. C.,

WHOLESALE AND RETAIL DEALERS IN

Drugs, Chemicals, Patent Medicines,

DRUGGISTS' SUNDRIES, and MINERAL WATERS,

AMERICAN AND IMPORTED.

---

Agents for the celebrated BETHESDA WATER, Nature's Great  
Remedy for BRIGHT'S DISEASE, DIABETES, and all Diseases  
of the KIDNEYS and URINARY ORGANS.

---

An assortment of Dr SQUIBB'S Preparations always on hand.





3 0112 105625476

J. J. THOMSEN.

JOHN P. MUTH.

# THOMSEN & MUTH,

IMPORTERS AND JOBBERS OF

# DRUGS,

14 and 16 German Street, BALTIMORE,

Offer to the Trade their usual large and well selected stock of

## DRUGS, MEDICINES, CHEMICALS,

Essential Oils, Sponges, Vannilla Beans, &c.

Also a very complete assortment of

## DRUGGISTS' SUNDRIES,

*Chamois Skins, Combs, Tooth & Hair Brushes,*

SOAPS and PERFUMERIES.

They make it a specialty to keep everything required by Pharmacists and Apothecaries. A complete stock can at any time be selected or wants supplied.

### FOREIGN DRUGS OF THEIR OWN IMPORTATION

Are selected in the foreign markets by competent judges. Essential Oils, Soaps, Perfumeries, Pomades, Tooth and Hair Brushes, &c., are direct from the most celebrated makers, in England, France and Germany.

ESTABLISHED 1850.

WM. H. BROWN.

A. E. BROWN.

J. E. MORRISON.

W. S. POWELL.

## WM. H. BROWN & BRO.,

IMPORTERS and WHOLESALE DEALERS IN

## Drugs, Chemicals, Fancy Goods,

ESSENTIAL OILS, DRUGGISTS' GLASSWARE, Etc.,

25 SOUTH SHARP STREET,

BALTIMORE, Md.

*Specialties: Fine Powdered Goods and Essential Oils for Retail Trade.*

All Goods Warranted. Mail orders receive prompt attention. Price Lists mailed on application. Drug Stores furnished throughout with any kind of labelling, bottles, &c.